

## WHAT IS CLAIMED IS:

1. An air pressure detecting device for a wheel comprising:
  - an air valve for introducing air into a tire;
  - an end of a hollow member being operatively connected to said air valve; and
  - a detecting and transmitting unit for detecting an air pressure in the tire and transmitting pressure information out of the detecting and transmitting unit, said detecting and transmitting unit being connected to a distal end of the hollow member;
  - said detecting and transmitting unit being operatively attached to the hub of a wheel portion.
2. The air pressure detecting device for a wheel according to claim 1, wherein said hollow member is disposed along a spoke of said wheel portion.
3. The air pressure detecting device for a wheel according to claim 1, wherein said hollow member is used as at least one spoke of said wheel portion.
4. The air pressure detecting device for a wheel according to claim 1, wherein the detecting and transmitting unit includes a pressure sensor for determining the pressure within a tire.
5. The air pressure detecting device for a wheel according to claim 4, wherein the detecting and transmitting unit includes a detecting circuit for receiving pressure information from the pressure sensor and for producing an electrical signal.

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6. The air pressure detecting device for a wheel according to claim 5, wherein the detecting and transmitting unit includes a transmitting circuit for transmitting the electrical signal from the detecting circuit as a radio wave.

7. An air pressure detecting device for a wheel comprising:

an air valve for introducing air into a tire;

a pressure sensor is mounted on said air valve;

a detecting and transmitting circuit for detecting pressure information from said pressure sensor and transmitting the pressure information out of the detecting and transmitting circuit;

said detecting and transmitting circuit being attached to a hub of a wheel portion, and said pressure sensor and the detecting and transmitting circuit are connected to each other by a harness.

8. The air pressure detecting device for a wheel according to claim 7, wherein said harness is disposed along a spoke of said wheel portion.

9. The air pressure detecting device for a wheel according to claim 7, wherein a hollow member is used as at least one spoke of said wheel portion, and said harness extends through the hollow member.

10. The air pressure detecting device for a wheel according to claim 7, wherein the detecting and transmitting unit includes a pressure sensor for determining the pressure within a tire.

11. The air pressure detecting device for a wheel according to claim 10, wherein the detecting and transmitting unit includes a detecting circuit for receiving pressure information from the pressure sensor and for producing an electrical signal.

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12. The air pressure detecting device for a wheel according to claim 11, wherein the detecting and transmitting unit includes a transmitting circuit for transmitting the electrical signal from the detecting circuit as a radio wave.

13. An air pressure detecting device for detecting pressure of a tire while a vehicle is being operated comprising:

an air valve for introducing air into a tire;

an end of a hollow member being operatively connected to said air valve; and

a detecting and transmitting unit for detecting an air pressure in the tire and transmitting pressure information out of the detecting and transmitting unit while a vehicle is being operated, said detecting and transmitting unit being connected to a distal end of the hollow member;

said detecting and transmitting unit being operatively attached to the hub of a wheel portion.

14. The air pressure detecting device for detecting pressure of a tire while a vehicle is being operated according to claim 13, wherein said hollow member is disposed along a spoke of said wheel portion.

15. The air pressure detecting device for detecting pressure of a tire while a vehicle is being operated according to claim 13, wherein said hollow member is used as at least one spoke of said wheel portion.

16. The air pressure detecting device for detecting pressure of a tire while a vehicle is being operated according to claim 13, wherein the detecting and transmitting unit includes a pressure sensor for determining the pressure within a tire.

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17. The air pressure detecting device for detecting pressure of a tire while a vehicle is being operated according to claim 16, wherein the detecting and transmitting unit includes a detecting circuit for receiving pressure information from the pressure sensor and for producing an electrical signal.

18. The air pressure detecting device for detecting pressure of a tire while a vehicle is being operated according to claim 17, wherein the detecting and transmitting unit includes a transmitting circuit for transmitting the electrical signal from the detecting circuit as a radio wave.

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